Discharge Worksheet - Florfenicol

Instructions: Use this Worksheet to calculate estimates of 1) the *maximum* amount of florfenicol (in milligrams) to be fed each day during treatment of the fish at your facility, and 2) the resulting average daily concentration of florfenicol in your total hatchery wastewater discharge.

Handy conversion factors: 1 part per million (ppm) = 0.0283 grams/cuft; or, 0.0038 grams/gallon.

Calculations:

Step 1 - Calculate the total volume of treated and untreated water:

1a Number of rearing units to be treated: _____

1b Total water volume through these treated units during 24 hours:_____ (gal.) or (cuft.) of treated flow

1c Total water volume through all other untreated units during 24 hours:_____ (gal.) or (cuft.) of untreated flow

1d Grand total hatchery discharge (Treated + Untreated):

_____ (gal.) or (cuft.) of flow during 24 hours.

Step 2 - Calculate the daily amount of florfenicol fed each day (24 hours) in this t

2a _____ mg = (_____ / 100) * _____ } (mg florfenicol/kg of fish)

Florfenicol — Kg of fish treated — Florfenicol dosage

Step 3 - Calculate florfenicol level resulting in hatchery discharge during treatme

3a _____ PPM = _____ / (_____ * _____)

Disch. level — Amt. from line 2a — Total vol. (line 1d) — Conver. factor*

*If in gallons use 0.0038
If in cubic ft use 0.0283